

Title (en)

Hydraulic control system for automatic transmission.

Title (de)

Hydraulisches Steuersystem für ein automatisches Getriebe.

Title (fr)

Système de commande hydraulique pour une transmission automatique.

Publication

**EP 0133185 A1 19850220 (EN)**

Application

**EP 83107507 A 19830729**

Priority

EP 83107507 A 19830729

Abstract (en)

A hydraulic control system comprises first (C3) and second fluid (C2) operated friction units, the first fluid operated friction unit (C3) being discharged at the same time the second fluid operated friction unit (C2) is pressurized during a shift between two remote speed ratios. The hydraulic control system comprises a drain conduit having one end communicable with the first fluid operated friction unit (C3) and an opposite end, and a timing valve (26) which discharges the drain conduit via an orifice (602) when the fluid pressure supplied to the second fluid operated friction unit (C2) is lower than a predetermined value, while it discharges the drain conduit bypassing the orifice (602) when the fluid pressure supplied to the second fluid operated the friction unit (C2) exceeds the predetermined value.

IPC 1-7

**F16H 5/64**; B60K 41/06

IPC 8 full level

**F16H 61/06** (2006.01); **F16H 61/04** (2006.01); **F16H 61/08** (2006.01)

CPC (source: EP)

**F16H 61/065** (2013.01); **F16H 61/08** (2013.01); **F16H 2061/0444** (2013.01)

Citation (search report)

- [A] US 3656373 A 19720418 - SHIMOSAKI TETSUO
- [A] GB 2029522 A 19800319 - NISSAN MOTOR
- [A] US 3832915 A 19740903 - HIRAMATSU T
- [A] GB 1326888 A 19730815 - TOYOTA MOTOR CO LTD

Cited by

EP0326119A3

Designated contracting state (EPC)

DE FR GB

DOCDB simple family (publication)

**EP 0133185 A1 19850220**

DOCDB simple family (application)

**EP 83107507 A 19830729**